

leti; of the oncy Colaniel 187/

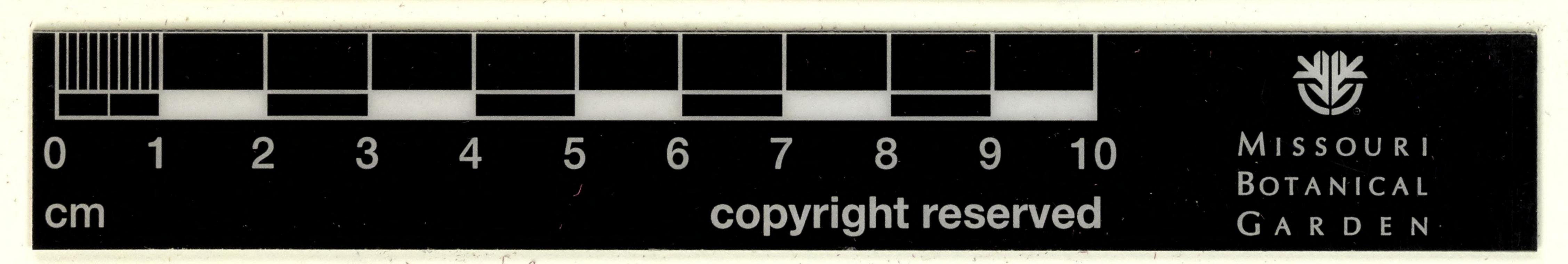
61. Note from Dr. Engelmann.—I have now had Prof. Wood's specimen of Opuntia from Westchester Co., one from New Jersey sent by Mr. Meehan, and a third from New England, probably Massachusetts, furnished by Prof. Gray, side by side in cultivation with our Missouri and Illinois O. Rafivesquii. It is certainly less spiny, and sometimes the flower is smaller than in our plant, but the deep green colour, the long spreading leaves, and the bright brown bristles, especially on the older joints, on which they increase in number and length to considerable bunches, are characteristic of the plant. With them I have growing the true O. vulgaris sent by Dr. Schott from the banks of the Potomac and probably not found north of Chesapeake Bay, with thicker light green joints, shorter, thicker, more adpressed leaves, and small bunches of short thin greenish yellow bristles. This is the plant which is cultivated in Europe under that name and has become naturalized in Northern Italy and which I have described and figured as such in Vol. 4, Pacif. R. Reports.



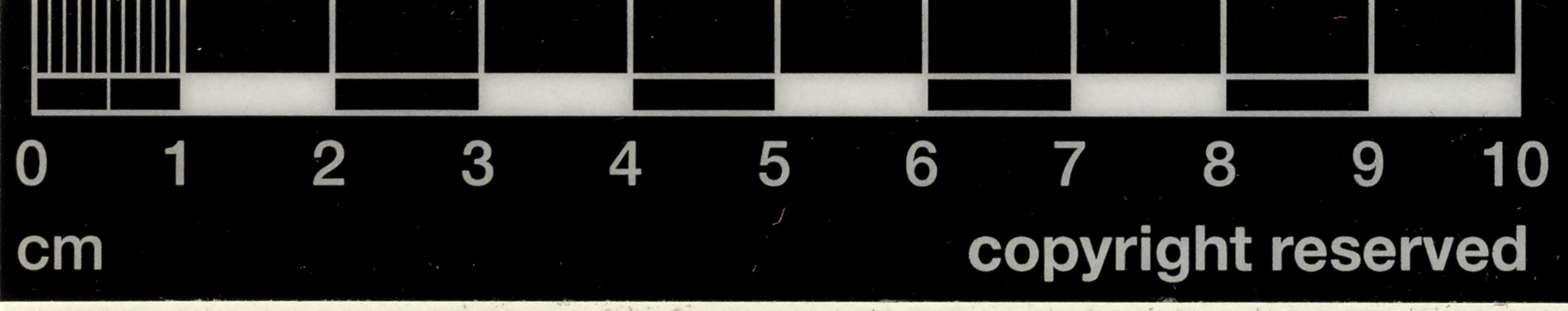
The vasculum should be oval-cylindrical in shape, at least eighteen inches long, and with a door opening on one side. A small additional compartment opening at one end will be convenient as a lunch box, and also to contain water plants, nuts, acorns, land shells, or other objects of interest met with on the tramp. The portfolio should measure eighteen by twelve inches. It is best made simply of two stout sheets of pasteboard, not connected by a back or hinges, and covered with "enamelled cloth" to keep out moisture. To tie them together, I prefer a stout cord, or fishing-line, to india rubber bands or straps.

2593

The young botanist soon learns that the collection of specimens does not consist in tearing off a flower with a portion of the stem and a few upper leaves. He finds it impossible to identify his species in many cases, without having both the sterile and fertile flowers when the plant is monœcious or diœcious, also the mature fruit, the root leaves, and even the root, all of which are component parts of the complete plant and often essential to its recognition.

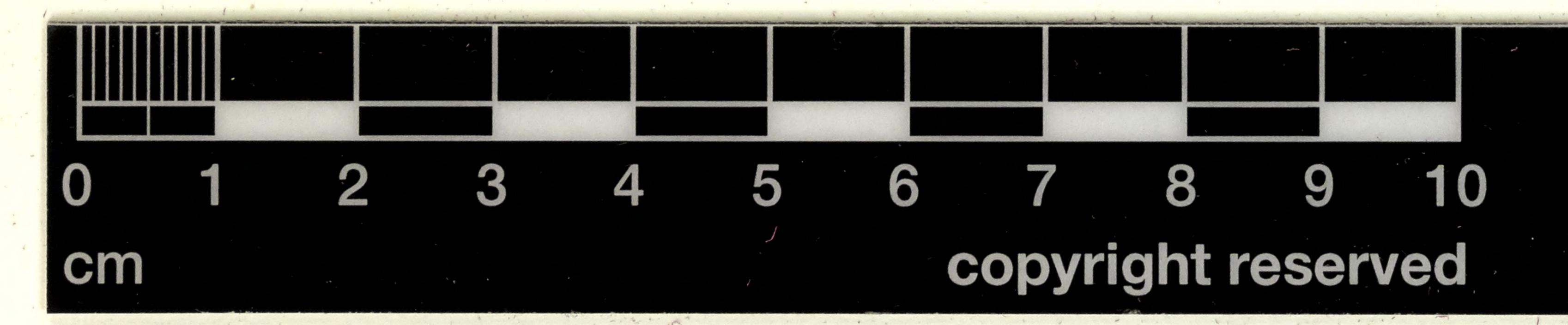


Opuntie Missouriensis Colorado Luly 1871. E. L. Greene, bernier green got, overt not gente i int ly contracte about the deep weelle very abet 50 prominent pullerilli with compare totalen, end estilit frem & Bristley pukilli ad avedlur - 11/8 annagetmorney 13/21 Zeen from fleshy green endle of winge frist showel up and org. at



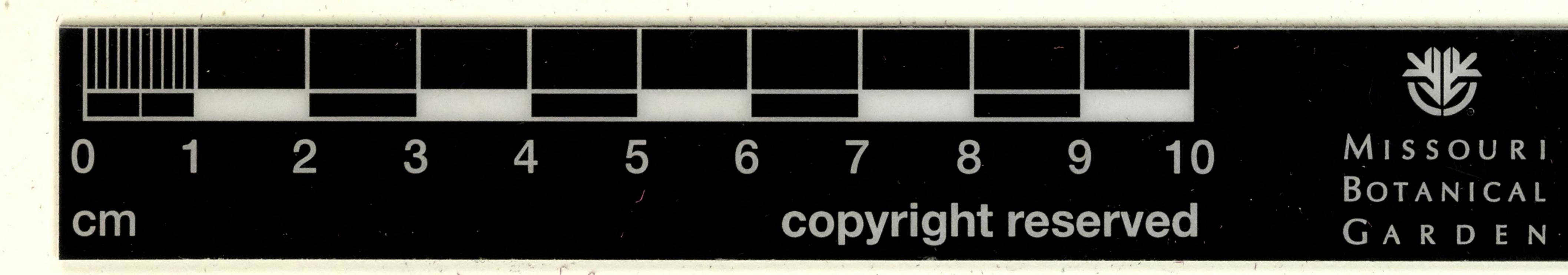
MISSOURI BOTANICAL GARDEN

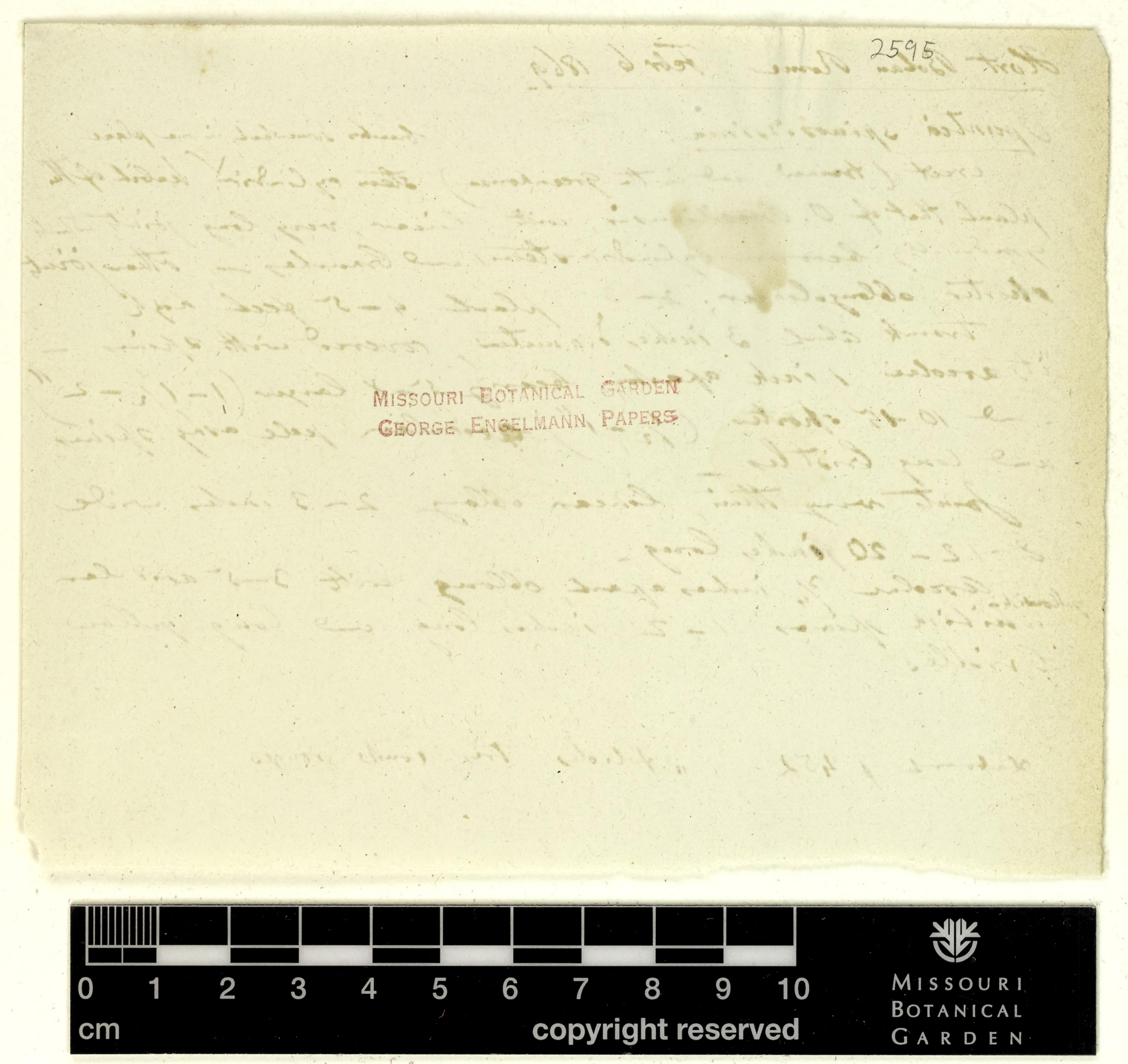
MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS



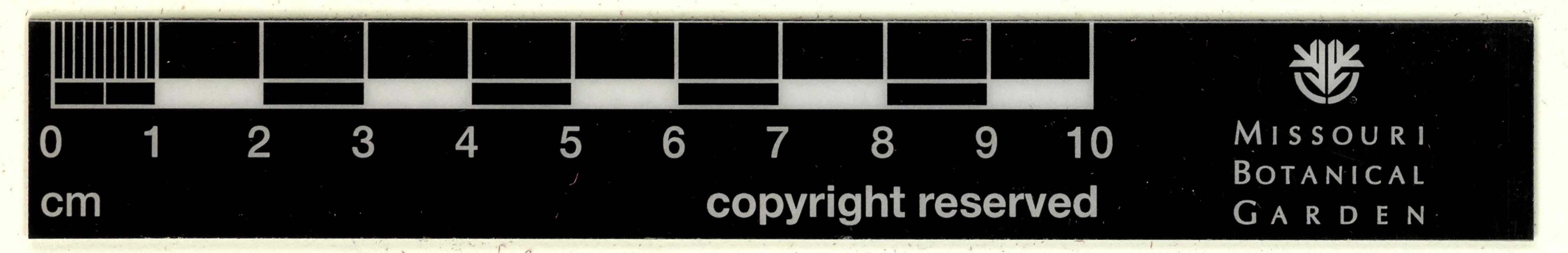


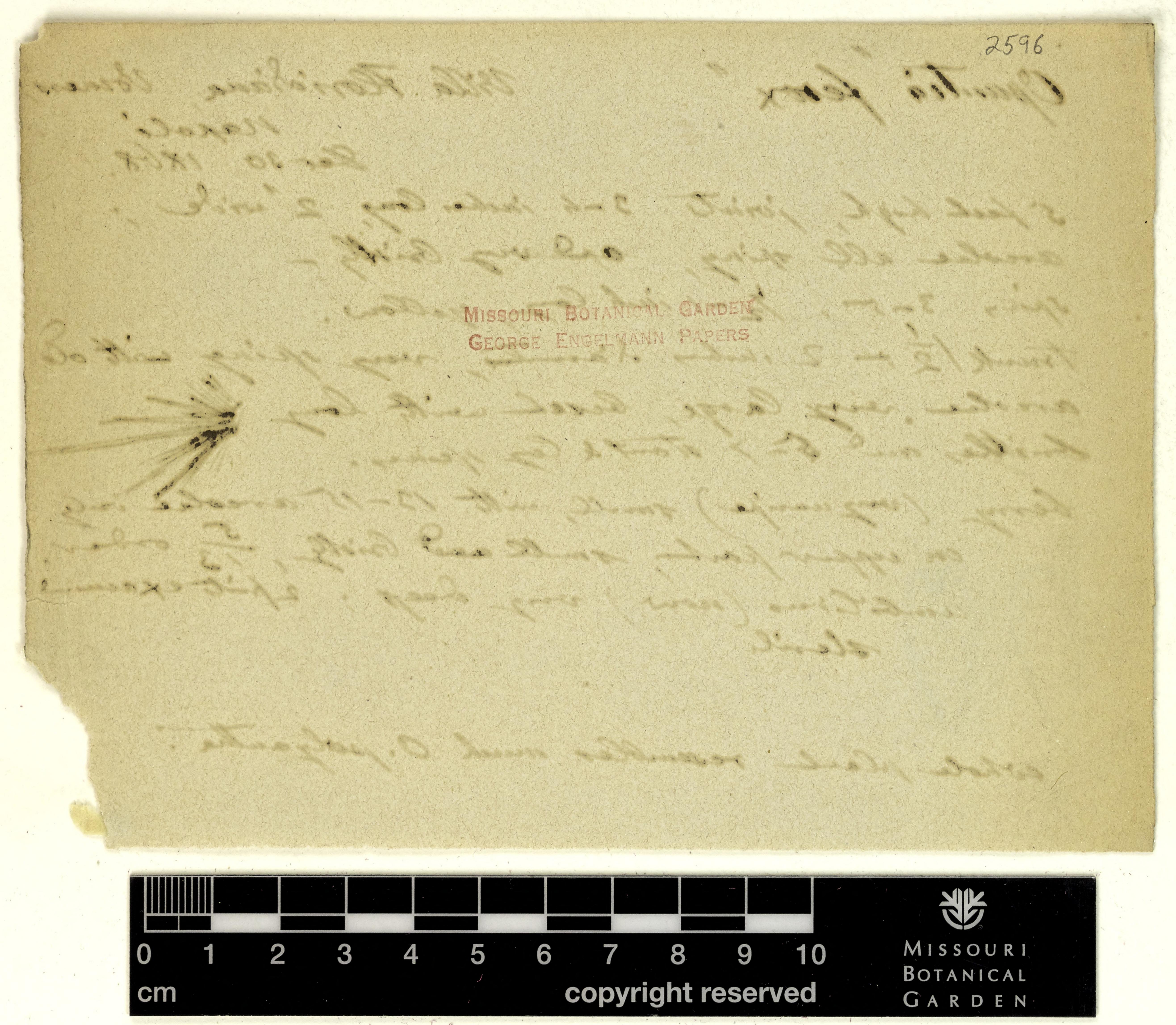
Hort Bolan Rome Febr 6 1869 Spantea spiaos. ssina! brushes somewhat in one plane creek (trained and in the greenhouse) stem oglindrich habit of the plant that of O. Brasiliansis, with liear, very long joint which you are bearing the steers and Branches - other joint phorter allow-linear; 2-3, plant 4-5 feel high trink all 3 inche, d'à meter, covered with aprin its arcolai 1 inch apart, been 3 5-8 larger (1-1/2-2) and long bristles __ (1/2-1")-quirulan pele asky spring forts very their, like an oblog 2-3 inder wide 2-12- 20 Jande, Conggellowish at tick spines 1-2 inches long with 3-5 avit lander long willes " folioles très-courts rouges Latours 1. 452



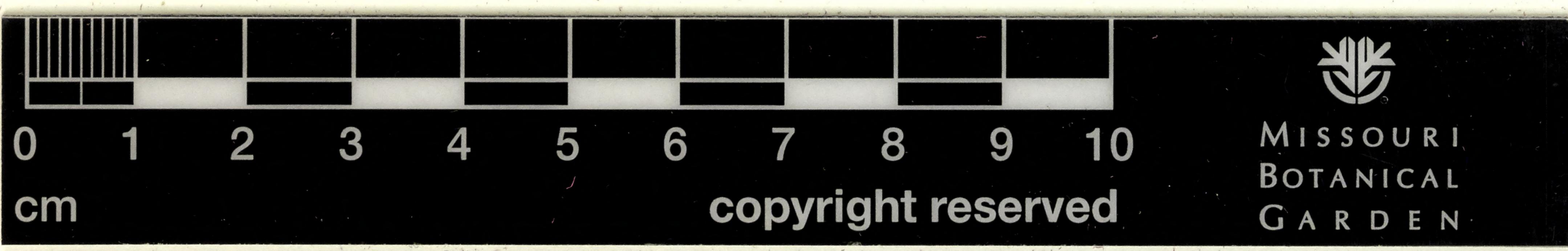


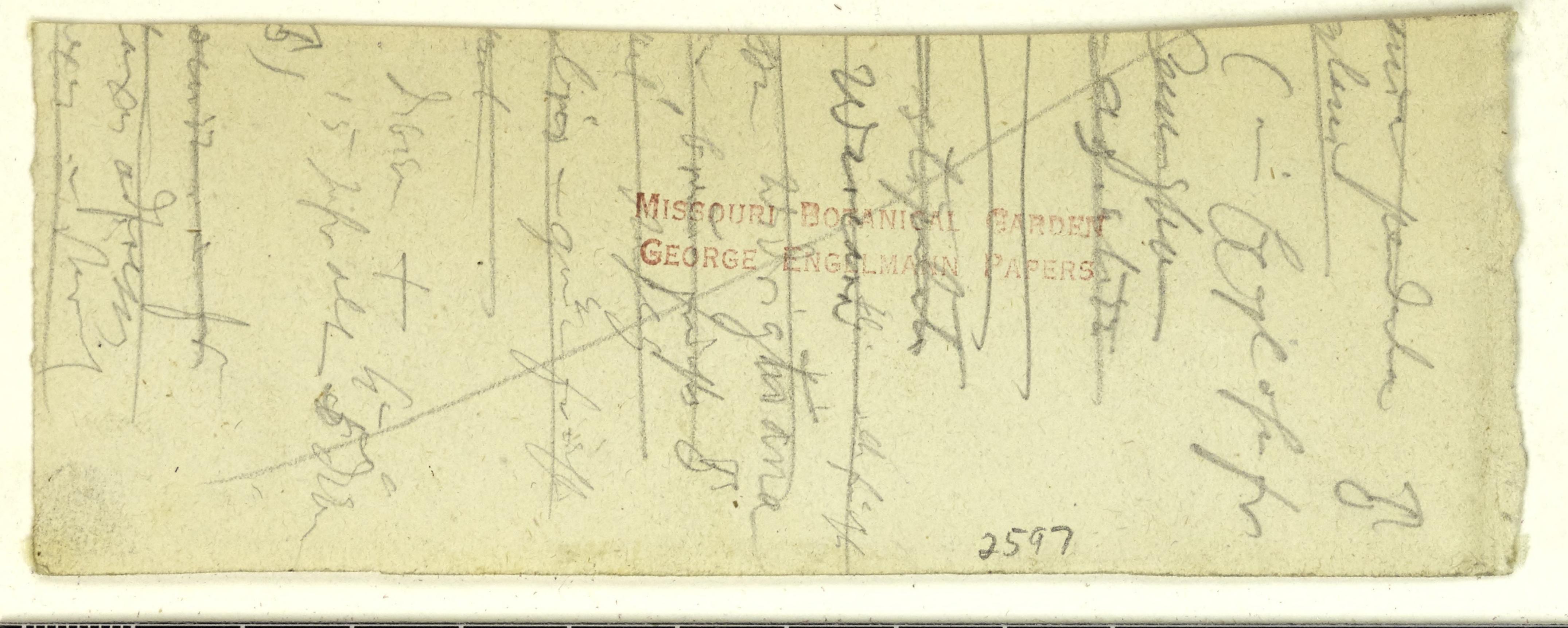
Chuitei ferox Prilla Floridsiana Vorners, Napole Der-30 1868. 5 feet high joints 3-4 inder long 2"wide. arestar all sping, approp Britly_ sping 3-5, /2-1 inch log gellow. truck 12 in 2 inches Santing very spring with old areolae very large, beset with long briffles and 6-7 stout & Con year. berry (very unipe) smill, with 13-15 arcolae only on egger part smill and brilly, 5 order way leep; 2 pits examine slevile evhole plant resembler much O. polyanthe?

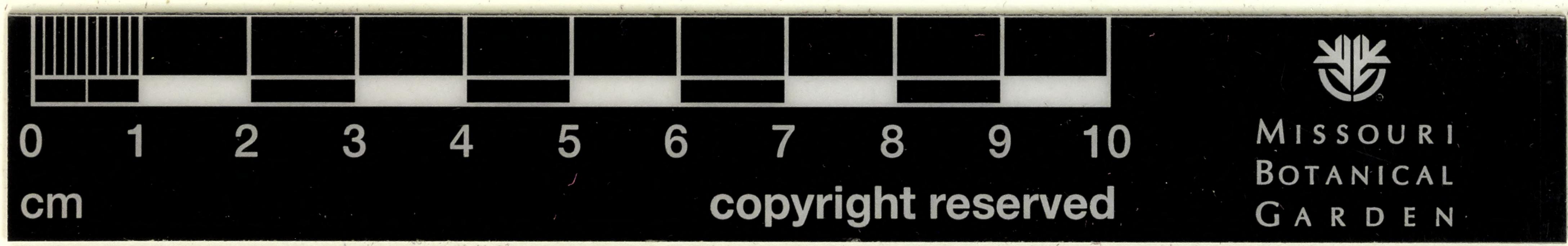




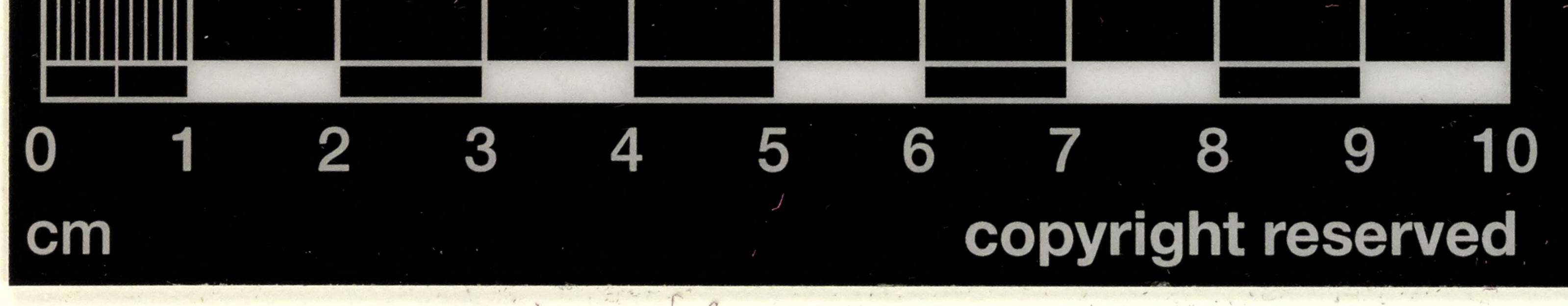
"Opimtis nigrim" jes my O. monacautte, O. onifere" = O. leccolische. Hort bot Noman, 8-6-6 1869







The Augreen & O. Etaling HN 13. Hup 1/2 1868 oppor iclation. Op. Tabarrelate girth spire "lacereolate" en thent of seen iletine - a-9colle joilet a C.M. more elonget. H. D. Magn = 68





2508 MISSOUTH TOUR DAY DAR DER GEORGE ENGELMANN PAPERS MISSOURI BOTANICAL copyright reserved GARDEN

cm